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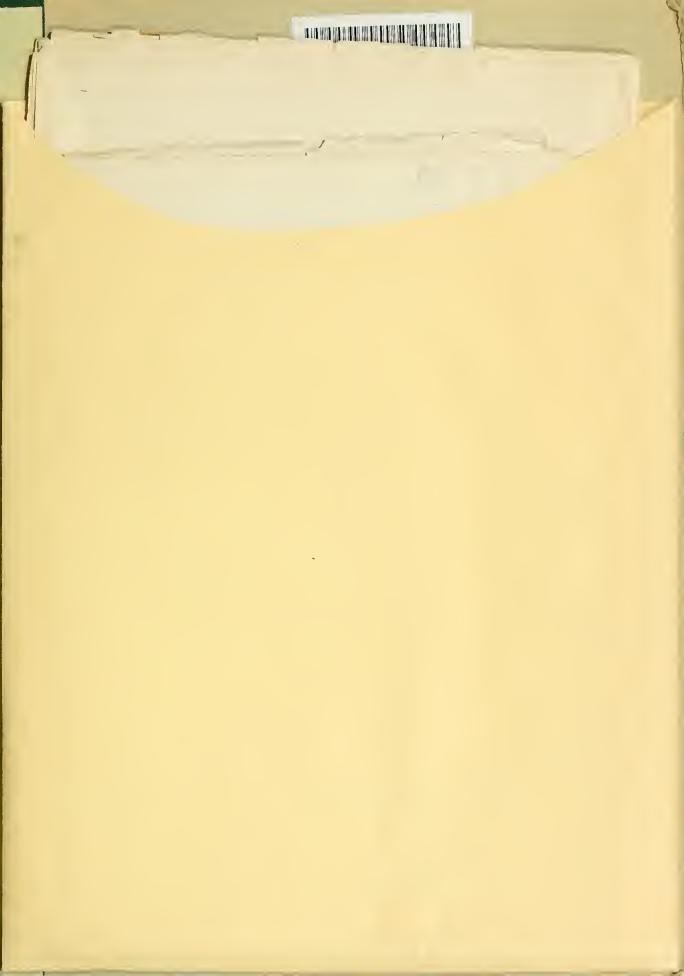
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BULLETIN

OF THE

CALIFORNIA STATE



FERRY BUILDING,

LEWIS E. AUBURY, STAT SHOWING BY COUNTIES THE MINERAL PRODUCT

COMPILED BY CHARLES G. YA

(FROM DIRECT DESTROY BY PROT

h.w																		(F	ROM DIREC	ET RETURNS I	BY PROD
					METAI	LLIC.					NON-METALLIC.										CARE GASI
	COUNTIES	PRECIOUS METALS, AS PER BETURNS TO U. S. MINT AT SAN FRANCISCO.		COPPER.		QUICKSILVER.		MISCELLANEOUS, ANTIMONY, MINERAL PAINT, LEAD, MANGANESE, CHROME, AND PLATINUM.		BORAX.		COAL.		MINERAL WATERS.		SALT.		MISCELLANEOUS. FULLER'S EARTH, ASBE: TOS, GYPSUM, PYBITE: TOURMALINE, QUENTALS, LITHIA MICCRYSTALS, LITHI	ASPHALTUM BITUMINOUS ROCK, AND NATURAL GAS.		P
i		GOLD.	SILVER.															QUOISE, AND GRAPHITI			
		Value.	Value.		Value.	Flasks.	Value.	Quantity.	Value. Manganese.	Tens.	Value.	ons.	Value.	Gallons.	Value	Tons.	Value.	Quantity. Value.		Value.	BbIs
	Alameda			13,728	\$2,162		- ·	423				87,424	\$262,272			114,450	\$324,136	Tons Magnesite 190 \$1,100 Tons Pyrites. (c) 4,500 18,000	1		
	Alpine	\$23,568	\$2,860	8,377	1,319											-		(0)1,000			
1/	Amador	1,823,827	7,444	52,000	8,190							25,000	30,000	; 							
	Butte	864,978	4,634						Mineral Paint.					10,400	\$1,455		.,	Lhe Oz Cryst	-		
- 13	Calaveras	2,024,685	44,687	1,701,389	268,000			125	500									4,000 17,500			
	Colusa	1,800				(b) 235	\$10,575							92,200	20,220	18	270		-		
Ш	Contra Costa					• • • • • • • • • • • • • • • • • • •	-					35,000	100,000	12,000	1,900		.' 			·	
H	Del Norte	10,612																			
	El Dorado																		g .		-,
	Fresno			1,159,672	182,648									5,142	· ·						. (e)525,
	Humboldt	98,487	128						Lead.					,	, -			Tons Soda.			
- 1	Inyo		56,573	8,566				601,000	24,040		4							8,000 400,000 Tons Fullers Earth	Tona	Asphaltum.	
	Kern	1,007,059	40,497	429,248	67,606		}	50 1,600 Lbs.										1,000 19,500	3,112	\$43,126	3,902.1
	Kings										·										
	Lake		· ·			4,395	211,324							201,706	120,360)			
	Lassen													1				Tons Gypsum. 3,550 35,500	10,000 tons	Asphal. 152,838	2 200 4
	Los Angeles																1			Nai'l Gas, 1,500	2,304,4
-1	Madera	,	•	108,430																	
	Marin								Lond												
- 1	Mariposa		4,787	191,622	30,180			, , , , ,							1	(}
	Mendocino														1 '						
-	Merced		25.091	79,071 1.938	12,453			Lbs.	Lead		1										
1	Monterey		,						,,,,,,				1.000								
	Nana	10,000					388,176	1					-,000	,	109,900			Tons Magnesite			
	Napa	9_191_054	19 100	20 500	6 925	7,798	900,176							100,000	100,000			700 11,622 Tons Pyrites.			

TIN No. 25

OF THE



MINING BUREAU,

SAN FRANCISCO.

Y, STATE MINERALOGIST.

DUCTIONS OF CALIFORNIA FOR THE YEAR 1901.

ES G. YALE, STATISTICIAN.

RETURNS BY PRODUCERS.)

			_					STRU	JCTUR	TOTAL PRODUCT OF COUNTIES.									
	PETR	OLEUM.	AND H	LAYS YDRAULIC MENT.	SANDS Al GRAI	STONE ND NITE.	·LI	LIMI ME.	ESTONE. - STO	ONE.	MAC	ADAM.	RU PAVIN	BBLE AND G BLOCKS,	_	LANEOUS, NE, MARBLE, O GLASS SANO, O SOAPSTONE.	1901.	COUNTIES.	1900.
Value.	Bbls.	Value.	Quantity.	Value,	Cubic Feet.	Value.	BbIs.	Value.	Tons.	Value.	Tons.	Value.	Quantity.	Value,	Quantity.	Value.	Value.		VaIue,
-	'			Brick. \$67,130			,				115,029	\$106,576	Tons 500				\$786,366	Alameda	\$639,771
							1							,				Alpine	1
. 		}	600 M 10,050 tons	Brick 7,000 Pottery 7,100												Marble. \$4,630		Amador	1,479,009
			900	Brick. 7,200			1,500	\$1,500									879,767	Butte	500,786
																		Calaveras	1,905,856
		·	270	Brick. 2,160	88,981	Sandstone. \$80,082						-				.,	115,107	Colusa	13,930
																	101,900	Contra Costa	146,900
								· 									10,612	Del Norte	3,483
							11,000	11,000							Squares 5,100		347,263	El Dorado	426,420
	(e)525,433	\$236,444	5,000	Brick. 35,000								· · · · · · ·					480,696	Fresno	609,847
			1,005	Brick. 7,810													108,425	Humboldt	118,827
																	668,618	Inyo	420,586
sphaltum. \$43,126	3,902,125	1,131.616	4,600				62,000	82,700									2,423,918	Kern	1,867,856
	,		1,000	Brick. 5,000													5,000	Kings	5,000
	1											. 					331,684	Lake	172,745
																	6,100	Lassen	20,483
sphal. 152,838 at'l Gas, 1,500	2,304,432	1,062,038	130 tons	Brick 264,825 Pottery 390	3,575						25,000	23,000	(h) 107,459	Rubble. 53,729	Tons.	Soapstone.	1,642,591	Los Angeles	2,155,198
			500	Brick. 3,000	96,716	Granite. 294,799							2,400	Rubble 600	10	119	400,825	Madera	268,467
	{ 			Brick. 100,240							550	825	Tons 33,450	Rubble. 27,162			128,227	Marin	202,500
																	542,975	Mariposa	171,516
			200	Briek. 2,500													10,720	Mendocino	8,448
																	12,453	Merced	
							2,000	3,000									522,911	Mono	752,121
									(g) 5,463	\$7,500	3,407	2,503	Tons 10,610	Rubble. 6,366	4,500	Glass Sand. 15,750	50,169	Monterey	19,175
									8,919	6,690				~			516,388	Napa	493,100
																	9 145 840	Nevada	1.916.899

1	Mons	493,355	25,091	1,938	305			26.200 Lbs.	Lead 1,160													
1	Monterey	13,800										200	1,000	15,000	3,250							
	Napa					7,798	388,176							158,830	109,900				Magnesite. 11,622			
	Nevada	2 4 2 4 2 7 4	18,122	39,588														Tons 78	Pyrites, 429			
	Orange		,									300	1,500					Tons 25	Grusum			
П	Placer	900,745	4,828	11,200	1,764																	
	Plumas	401,284	2,508					Tons 2	Manganese.													
	Riverside	109,747	2,150								-	2,800	7,000			4,000	12,000	1 110	Asbestos.	. 1	 	
	Sacramento	229,034	544	2,007	316													300	Gypsun. 3,000)		
	San Benito					4,800	242,300							500	125					Tons 1,000	Bit. Rock. 2,630	
	San Bernardino	399,693	57,164	50,000	7,875			Lbs. 500	1,ead. 20 {	5,111 Crude,	664,430	}		·				Lbs. 500	Turquoise. 20,000			
Ш	San Diego		6,004						(11,685	233,700)		6,000	3,000	1,060	9,620	Tons L	i thia Mica. 27,500	}		
	San Francisco														 							
	San Joaquin										· -						·	· • • • • • • • • • • • • • • • • • • •		(d)	Natural Gas. 60,456	
	San Luis Obispo	300 _				840	41,513	İ		,				24,000	6,000					2,000 tons 9,472 tons	Asphal. 30,000 Bit. R'k, 33,070	}
Ш	San Mateo															40	400			Tons	Aspbaltum.	
	Santa Barbara						 -							113,780	60,200			·,	}	4,145 tons	Asphal. 55,800 Nat'l Gas, 438	
Ш	Santa Clara					5,220	236,608							55,000	8,500		·	Tons	Magnesite. 300	Това.	Asphaltum.	
Ш	Santa Cruz				. 															Tons 13,580	Bit. Reck. 30,654	
	Shasta	927,975	891,994	30,990,781	4,881,048			Tons 130	Cbrome. 1,950					26,295	7,644		-					
Ш	Sierra	575,427	755															-				-
Ш	Siskiyou	886,043	6,408											700,000	175,000		-	·		,		
	Solano					1								17,800	4,450		- ₍					
	Sonoma					2,130	95,850							60,900	17,691		-		s 'Graphite, 4,480 s Magnesite			-
	Stanislaus	15,700		79,330	12,494				Mineral Paint. 375							_,		1 173	1,225 Magnesite	J		
	Tehama													20,000	4,000		-	100	600			
	Trinity	684,683	2,668	4,838	761	1,302	58,668							1						-		
	Tulare	14,616	100															. 3,511	Magnesite 28,210			
	Tuolumne	1,670,368	39,787					Lbs. 400	Lead.									·				-
Н	Ventura	4,183		 						3,000	60,000							-		Tons 2,073	Asphaltum. 30,945	4
Н	Yolo		- · · • · · · · · · · · · · · · · · · ·							-		·					-	-		-		
	Yuba	188,908	846							"-"												
	Unapportioned (k)							11,000 Lbs. 250 Ozs.	Lead, \$440 Platinum, 3,200	}			4								Natural Gas. 29,640	
	Totals	*\$16,989,044	a \$1,229,356	34,931,785	* 5,501,782	26,720	\$1,285,014		*47,600	22,221	*982,380	150,724	\$401,772	1,555,328	\$559 , 057	126,218	\$366,376		\$613,616	3	. \$471,607	7,7
	-					-		-														
	Total v	value Precious Mo	tals, \$18,218,	400. Total	value Meta	Hic Substan	ces, inc. Pro	ecious Metals	s, \$25,052,796			То	tal value N	on-Metallic	Substanc	es, \$2,923	3,201.			Total v	alue Hydrocar	nons a

Tons are of 2,000 pounds. Spot values.

Counties not mentioned made no mineral production during 1901.

*This Bureau has never independently collected statistics of precious metal output, but has used totals and distribution by county, as obtained at the United States Mint, San Francisco.

(a) Coining value.

(b) Flasks of 76½ pounds.

(c) Utilized for Sulphur contents.

(d) Value of that commercially used.

(c) Barrels of 42 gallons. Prices, average F.O. B. at wells.

(f) Includes common, pressed, and fire.
(g) For smelting-flux, beet-sugar manufacture, and paving.
(h) For sea-wall construction, railroad and concrete work, etc.
(i) So-called Basalt Blocks.
(j) Used in the manufacture of silica brick.
(k) Unapportioned includes product of single mines, etc., in counties, so as to conceal their identity; and also includes estimates of product of properties known to be working, but from which no returns were obtained.

MISCELLANEOUS TOTALS.-METALLIC.
 Antimony
 50 tons

 Chrome
 130 tons

 Lead
 720,500 pounds

 Manganese
 425 tons

 Mineral Paint
 325 tons

 Platinum
 250 ounces
 \$8,350 1,950 28,820 4,405 875 3,200

\$47,600

MISCELLANEOUS TOTALS,-Non-M Asbestos
Fuller's Earth
Graphite
Gypsum
Lithia Mica
Magnesite
Pyrites
Quartz Crystals
Soda
Tourmaline
Turquoise

							,					ti ti					,	Merced	
							2,000	3,000					Tons	Rubble.	Tono	Glass Sand.	522,911	Mono	752,121
									(g) 5,463	\$7,500	3,407	2,503	10,610	6,366	4,500	15,750	50,169	Monterey	19,175
									8,919	6,690							516,388	Napa	493,100
										'							2,145,840	Nevada	1,916,899
	302,652	181,591		D-44		Granite.							Tons	Rubble.			187,341	Orange	259,174
			15,000	Pottery. 15,000	40,922	89,874							51,894				1,025,184	Placer	1,128,882
													Tone	Rubble.			403,832	Plumas	369,379
		}		Brick 89,787 Pott'y 16,624	30,685	51,900	18,000	18,000	·				600	1,500	(j) 500	Quartz Sand. 500	316,608	Riverside	285,112
			12,236	Brick. 62,180	2,635	Granite. 2,882					22,543	6,763	8,000	Rubble. 1,163			302,882	Sacramento	259,439
ock. 2,630 .											20,328	10,164					255,219	San Benito	205,650
		}	500 M 71,800 bbls	Brick 15,000 Cem't 159,842	3,840	Granite. 4,630	38,783	43,028	54,210	76,710	5,500	3,300	297,695 tons	Pav'g Bl'ks,7,400 } Rubble, 151,447			1,844,239	San Bernardino	1,965,143
			1,158	Brick. 5,791	13,900	Granite. 22,400		 -		,			11,599				514,522	San Diego	402,061
											127,500	142,500	144,652	Rubble. 14,447			156,947	San Francisco	58,400
al Gas. 60,456			2,000	Brick. 20,000													80,456	San Joaquin	39,862
al. 30,000 k, 33,070	}		650	Brick. 5,200										·			116,083	San Luis Obispo	85,626
255 -		•	500	Brick. 9,070							10,000	6,000		·			15,725	San Mateo	16,500
al. 55,800 Gas, 438	203,616	113,385	1,250	Brick. 9,825	72,000	Sandstone. 27,100							Tons 133,600	Rubble. 33,400		-	300,148	Santa Barbara	528,438
ltum. 255 .	1			Brick. 94,570	60,000	Sandstone. 80,000					800	917		·			421,150	Santa Clara	497,386
30,654			Tons 10	Pottery.			161,500	161,500	3,845	3,595				·			195,779	Santa Cruz	191,091
			3,000	Brick. 12,000	2,000	Granite. 2,000	21,600	12,960						•			6,737,571	Shasta	5,574,026
								· · · · · · · · · · · · · · · · · · ·									576,182	Sierra	663,159
					\									-		.	·	Siskiyou	1,010,383
(1,000	1,000	4,500	4.950	20,000	1,200	M 50	Paving Blocks.				Solano	24,700
	,		150	Brick. 1,200	4,800	Granite. 9,800		, i		_		10,226	M 0eō,1	Paving Blocks.		-\		Sonoma	157,135
	,		1		·						,	,		_				Stanislaus	21,40
			M 300	Priols										*				Tehama	
			300	2,000	6,870	Chamita												Trinity	698,689
				Brick.	9,000	Granite, 18,000												Tulare	21,566
· · · · · · · · · · · · · · · · · · ·			1,600	8,600	, 3,000	18,000												Tuolumne	1,659,25
altum.	470.057	090 000			4,220	Sandstone.			3				Tons	Rubble.				Ventura	476,16
30,945	472,057	236,028				Sandstone.		(· -				67,054	10,704			1		1,76
			\	-	1,540	2,300									-			Yolo	284,63
ıral Gas.			1															Yuba	1,406,80
29,640						•											33,280	Unapportioned	1,400,50
471,607	7,710,315	\$2,961,102		. \$1,059,474		\$711,417	317,383	\$334,688	76,937	\$99,445	360,883	\$313,974		\$368,138	3	\$60,139	\$34,355,981	Totals	\$32,622,94
drocarb	ons and Gas	es, \$3,432,709						Tota	l value Struc	ctural Mate	rials, \$2,9	17,275.					1901.		1900.
s Totals.—No	ON-METALLIC.	0 tons \$4,40	0 ,	Misc Asphaltum	CELLANEOUS T			D GASES.	\$313,219		Miscellan	EOUS TOTALS,-	-Structural M	4.500 tons \$15.	750 B			AND CLAYS FOR BRICK, POTTEI)	
	1.00	0 tons 19,50	UF	Situminous Roo	ck			24.052 tons	66,354	Marble			2,9	Ho cubic feet 4.	630 C	cinem (Iryuran	0.,	III	s 159,842 s 39,144
		4 tons 4,48 5 tons 38,75 0 tons 27,50	0 1	Natural Gas					92,034	Paving Bloo	ks			1,920 M 41, 500 tons _869,513 tons 327,	500	lay for Pottery,	Sewer-pipe, etc	55,679 ton	\$1,059,474

18,429 17,500 400,000 20,000 20,000

\$613,616

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